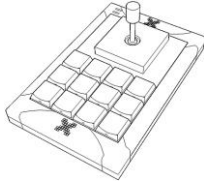


# X-keys® XK-12 Joystick Specifications

for XK-0983-UAJ12-R and XK-0983-UAJ12-B



- 12 Programmable keys with integrated Joystick
- Includes software for Windows and Mac
- Free Software Development Kit for programmers
- Two color addressable backlighting (red and blue)

The X-keys XK-12 Joystick controller features 12 keys with independent backlighting plus a precision three axis joystick. A pair of snap in feet give the X-keys a slight angle on the desktop.

MacroWorks 3 software for Windows and ControllerMate software for Mac OS X combine ease of programming with a wide and flexible range of options. P.I. Engineering's Pi3 firmware supports direct communication for the software developer and our new reflector feature sends messages to even the most reluctant software.

The joystick defaults to USB standard 3 axis joystick but may be configured as an independent X, Y, Z position controller. Our SDK shows the developer how to access data reports for the position of the joystick as well as the state of each key.

## Specifications

<b>Operating System</b>	Use: Any OS via USB HID   Programming: Windows XP through 10, Mac OS X 10.4 through 10.10
<b>Free Programming Software</b>	Windows: MacroWorks 3.1   Mac: ControllerMate for X-keys
<b>Free Software Development Kits</b>	Windows (C++, C#, VB.NET), Linux (C++), Android (Java), raw HID (any language/OS)
<b>Emulation Modes</b>	HID keyboard, HID mouse, HID game controller
<b>Joystick</b>	MDM™ precision 3 axis (twist for Z)
<b>Switch Type</b>	Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations
<b>Number of Keys</b>	12 single keys, 1 programming button
<b>Actuation Force</b>	Approx. 2.5 oz (72g) break-over, approx. 1.5 oz (42g) hold
<b>Keycaps</b>	0.625" (16mm) sq.; relegendable with Cherry MX compatible stem
<b>Key Spacing</b>	0.75" O.C.
<b>Optional Keys</b>	2x1, 1x2, 2x2, and 1x1 blocker
<b>Backlighting</b>	1 blue and 1 red addressable LED under each key
<b>Connector</b>	Wired USB 2.0 standard "A" plug
<b>Cord Length</b>	56" (1.42 m)
<b>Dimensions</b>	5.8" x 3.8" x 2.5" (147mm x 97mm x 64mm)
<b>Weight</b>	10.5 oz. (295 g)
<b>USB type</b>	USB 1.1 (compatible through 3.0)
<b>Power Source</b>	USB port, nominal voltage = 5 vdc
<b>Power Consumption</b>	No backlight: 20 mA , Blue backlight full: 35 mA, Red backlight full: 39 mA, All backlights: 50 mA
<b>Temperature Range</b>	-20 to 60 C
<b>Memory Capacity</b>	Each key is allocated 3 characters with a pool of 1000 additional keystrokes available to any keys that require additional characters
<b>Memory Type</b>	EEPROM, non volatile memory (X-keys retains memory for over 200 years)
<b>Environmental Rating</b>	IP 40, typical indoor office environment
<b>Certifications</b>	FCC class B, CE, RoHS, WEEE compliant

Specifications subject to change without notice

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